

**DOMAMID XS 66G50H1**

PA66-GF50

DOMO Engineering Plastics

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.1 / *</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.5 / *</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>18300 / 17200</b>	MPa	ISO 527
Stress at break	<b>265 / 245</b>	MPa	ISO 527
Strain at break	<b>3 / 3</b>	%	ISO 527
Flexural modulus, 23°C	<b>16000 / -</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>110 / 105</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>16 / 15</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>262 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>235 / *</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8 / *</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E10 / -</b>	Ohm*m	IEC 62631-3-1
<b>Other properties</b>			
Density	<b>1570 / -</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific